INTERNATIONAL SEARCH REPORT

Form PCT/ISA/210 (second sheet) (January 2004)

International application No.

<u>.</u>			PCT/JP2004/007278
A. CLASSIFIC Int.Cl ⁷	CATION OF SUBJECT MATTER C21D8/06		
According to Inte	ernational Patent Classification (IPC) or to both national	l classification and IPC	
B. FIELDS SE		· · · · · · · · · · · · · · · · · · ·	
	nentation searched (classification system followed by classification syste	ssification symbols)	•
Jitsuyo Kokai Ji		roku Jitsuyo Shina tsuyo Shinan Torok	n Koho 1994-2004 u Koho 1996-2004
JICST ·	ase constitued during the international scales (name of the	and base and, where practica	bie, search terms used/
C. DOCUMEN	ITS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where ap	propriate, of the relevant pas	sages Relevant to claim No.
A	JP 2000-309850 A (Director Go Research Institute for Science Agency), 07 November, 2000 (07.11.00), Claims; column 3, lines 7 to column 7, lines 1 to 8 (Family: none)	e and Technology	I
A	JP 2002-137002 A (Daido Stee. 14 May, 2002 (14.05.02), Column 1, lines 22 to 35 (Family: none)	l Co., Ltd.),	1-13
× Further do	ocuments are listed in the continuation of Box C.	See patent family an	nex.
* Special cate "A" document d to be of part "E" earlier appli filing date "L" document w cited to est special reaso "O" document re "P" document p	Special categories of cited documents: A" document defining the general state of the art which is not considered to be of particular relevance E" earlier application or patent but published on or after the international filing date L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or pridate and not in conflict with the application but cited to understate the principle or theory underlying the invention "A" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered novel or cannot be consid		d after the international filing date or priority with the application but cited to understand inderlying the invention relevance; the claimed invention cannot be most be considered to involve an inventive is taken alone relevance; the claimed invention cannot be an inventive step when the document is more other such documents, such combination on skilled in the art
	al completion of the international search ust, 2004 (20.08.04)	Date of mailing of the inte	mational search report r, 2004 (07.09.04)
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer	
Facsimile No		Telephone No.	

INTERNATIONAL SEARCH REPORT

Form PCT/ISA/210 (continuation of second sheet) (January 2004)

International application No.

PCT/JP2004/007278

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No	
A	JP 2002-192201 A (Independent Administrative Institution National Institute for Materials Science), 10 July, 2002 (10.07.02), Column 1, lines 35 to 45; column 4, line 45 to column 5, line 1; column 5, lines 33 to 47 (Family: none)	1-13	
P,A	JP 2003-253332 A (Independent Administrative Institution National Institute for Materials Science), 10 September, 2003 (10.09.03), Claims (Family: none)	1-13	
P,A	OMORI et al., "Onkan Ta-Pass-Ko Roll Atsuen ni Yoru Chobisai Ferrite Soshikiko no Sosei", Tetsu to Hagane, 01 July, 2003 (01.07.03), Vol.89, No.7, pages 781 to 788	1-13	
Α	JP 2000-309823 A (Nippon Steel Corp.), 07 November, 2000 (07.11.00), Claims (Family: none)	1-13	
A	AKIO OHMORI et al., "Mechanical Properties of Warm Rolled Steel Plates with Ultrafine-grained Ferrite and Cementite Structures", Current advances in materials and processes, 2001, Vol.14, page 1050	1-13	
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<Object of Search>

Claims 1-13 involve any rolling method. However, it is only a rolling by a steel bar groove roll as described in the specification that is disclosed in the meaning of PCT Article 5. Even if common general technical knowledge is taken into account in the application, the any rolling method is inadequately supported in the meaning of PCT Article 6.

Accordingly, the search was performed in a scope adequately supported by and disclosed in the specification, i.e., on the rolling by the steel bar groove roll specifically described in the specification.